39 N. 5th An. Inaugural Dipertation. Pafeed March 19 1824 W. S. H Acard Hydrocephalus Acutus.

By Cathlitat I bound of May land - Scantist in medicine of All of and made of the Philade.

Medical Society.

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## William (D. Brinchli, A. M. D.

It affords me much plasures in Sciking on the first opportunity, to experp my gratitude for your unsemit ted attention, while prosecuting my stu dus under your discation, I am likewill much indebted to you for other attention equally dear; for which Iren der This tribute to your friendhips.

The author

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## Dipertation &

From a consideration of the unmande fund of talent displayed be The productions of some of the ancient gentlemen of our profession, I am not a little astonished that hy drought alud, a disease so pervading in iteras. ages on the young and rising part of the community, was not noticed as a seperate disease until so late as the year 1768. at which time it was taken minutely into condiduration by Toolor Whytt, who has I concein mark ex out the course which is to direct us to its correct pathology. Since that period however it seems to have at-

relia i 1 daffee mited . ou mo realis, a ( hildre of ten year The Mis 4 ets; The. is med Jang gling repenge most fo the disea myself delicate int, an

tracted that attention, which its for midable nature necessarily demands Hy drocephalus, like other danger. out affections, is not by any means limited in its sphere of action, It occurs more particularly in warmeli males, and in the mildest Leadons. Children from the age of one to none or ten years, appear to be the most come mon wietims which this maladyse leets; though we sometimes see the bis medication natura in the adult Stonggling with this almost cirtain mapenges of death, It is the opinion of most physicians who have noticed The disease, and indud I have observed it myself, that families, or persons of a delicate constitutions, scrophulous taint, and more than ordinary brilli-

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anay of intellect, are mast subject toit. barrows and controlictory have been the opineous, entertained by res pertable practitions of medicine us pecting the nature of this disease. Formerly, physicians as Fothergill. Janvin, Withering Whytt, Smyth Ve suffored it to be an affection of a deop sical nature, While the physicians of the present day, day it may with more propriety be classed with the inflam. matory diseases, and dislain any Thing like an idea of its being a dis eade Similar in any respect to a drop by It is to the work of Do Chayne that The new views of the pathology of hydre exphalus may be traced, and it is his edead that no small share of the medical men of the present day

& ente uncela cate 7 that ? les ho the eff trae mina that o This a ude The se

have a dopted; without, I am persuade first giving the du degree of reflection. The author, whose name I have just mentioned, in his pathology of hydroughalus. says, "That in this dis late there is produced a venous congestion, in addition to and arising from the insteaded artisal action; that the effusion of serous flind ari ses from this senous conjection, that the effusion has a tendency to coun terast the balful effects of the increw ed action, and related the fatal termination of the diseat, is evident in fact, I think it no hash opinion, that death would occur earlier in This disease did not the fluid exude, and thus continue to the brain The necessary degree of Suffort"

befresea a inte les The apolede durd. agestion flams -le des iew The a drop ele cons ty of the ion, In the h

Thence it may be seen that this author is popeped of an opinion, that the offert Sion into The ventricles is nothing more than the effect, and no way calculated, to aggravate, but rather to metigate the existing morbid action an opinion of this kind although emanating from a source so respectable I am at one disposed to pronounce as meonecinally absurd. That it is produced by a renows conjestion succeeded by an inexalex. inflammatory action, no one, Think will derry. But I am disposed to view the last Mages of this disease as of a dropsical nature, and am as well consinced that the uniform fatal ity of the disease is owing to that action. In this opinion, I am supported by the high authority of whyth, who

mmea Ly is The Throw Than undes to est. opticol there o brain

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when speaking of this disease lays the immediate cause of every kind of drop by is the same; vis such a state of the parts as makes the exhalint asteries Throw out a greater quantity of fluo Than the absorbents can take up" as Ox Chegnis ideas of the nature of hydrocephalus are not in exactae cot dance with the views on the but jest entertained by myself, I thale endeavour to point out some of the errors advanced by him, as well as to establish those which I have adofted as most correct. It is an incontrovertable fact, that There is little or no space for contain

how is little in no specie for contain there is little in the designed called my fluids in the designed called hentricles, in a healthy that of the brain; consequents, this effection into

ting can tile mos of the o in take Theype 1 li work le disea L This A 'u ascit ine, from 1. the wo Cheyre's dus of The harts; fr contidu

the mansion of life and bendation as extraneous matter, acts as a recen citing cause, and renders the disease tile more ungovernable, of This be not the case, how can practitioners deserte to accurately when this effer sion takes place, or why does On Chaque himself, in another part of his work, pronounce it an incurable disease when it does terminate in This manner, the immediate death of persons who have been labouring un des ascites for a contiduable lingth of time, from the sudden elacuation of the water, does not strength or De Cheyne's theory in regard to the Stime ulus of the waters on the adjacent parts; - particularly if we take into consideration The bast difference

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of thurstiere, as well as the functions of the parts. implicated in the less diseases. 2" That it is a droppy or nearly allied to it, is more than probable por a consideration of the common cause which produced both viz conjection 3" That the Symptoms are similar to those that occur in dropsy, as a suppose join of wine, of perspiration, costine state of the bowels, hot dry skin, much thirst, paralysis of one side of the head, of one arm, difficultrespiration to I yout tout taken collectively are certainly an evidence of a stoppical action. as a proof hat the effusion does not act as an inritant or hasten on the death of the patient, it has been stated, that death hastaken place after a developw. 1 duhi eles. eigh. texist Mag thou 1 pres proof

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ment of the symptoms peculiar to by drosephalus, and on distect ion, nothing like a collection of be rum has been found in the ventricles. In such cades, I think it could not with propriety be termed my dro exphalus, as in all terminations of the kind, we have but one of the three sta get which are mentioned at charac texistics of the disease, which is the stage of excitements in which as far as my limited experience goes the symptoms resembles very much those of an ordinary attack of infla mm ation of the hain.

As to the theory of its being an infearm mation peculiar in any and prest, I have deen no Nati factory proof. I ask is not an effection into Hah ter in 14 death abus divis ded atia, appe. my .

The nontineles of the train as the effect of a high degree of inflammation, as much a surply, as a collection from the in the thought as the consequence of an inflammatory action bytems on of the viscous of that cavity?

Systrasphalus is sather directified in its mode of attach. Sometime tracks its course and time in atis in action of a facility and smaller is is more mild in its spart and apparent and spart and apparent form, consequently it calls for some direction, and had by from been direction, and had by from been direction, and had by from the are into the solicity affects and symptom attention, and the secund track of its affecting on the result of a force day one, at first quite different: Each of one, at first quite different: Each of

and int 3 The stages meife are m. al run. no de Entry discre their forms have again been disi

dard into there stages, which are dained to be known by particular attention to the state of the pulse with thee synftoms. They are called I The stage of monaded sendial

In The stage of torpor, or comatone stage.

3rd The consulsed stage.

But in very many cases there stayes are not well definedo,

The Symptons which mark the maipient Stage of hydrocyphalus are memorous. Indeed it is a general nemark by practitioners, that in no disease is there a greater difficulty of laying aroun a general disease for the grapher of Symptoms, than in

ms the that are mual leus, mi +done es lace, ho ma, w nee in umina to suffe in how e hidrable the atta with ano hastice while the this; so proteinform are the symptoms them steends lord. I shall content, my self with action acting thought that are most forming who and success in their affect ance

It begins with a slight degree of first with a heart in the head and at dome in the head are stand when their appearance in saped seven their appearance in saped seventies of the let the sufferer in a few days, hery of ten percent the patient for a considerable light of time precious to the attach becomes dangered person and all and incomportable, without any which and unconfortable, without any white the appetitude of in parence, then while the appetitude of in parence, then while the appetitude of in parence, then

Ting Umeto an m water eliha tunter thron child or pri hish mata the fe seven

ach becomes writable, with a somiting of bile, contlipated bowels though Sometimes he purges clayey or black fortid stools) pain in the head with an intollerance of light and sounds watching and quick pulle 4 conthe tute the symptoms of the first slage. In the second, the patient is not easily aroused, has a great in climation to sleep, but is much inter upted with sharp pains shooting through his head; when in bed, the child is constantly rolling about, or putting his hands we towards his head, his pufil is dilateds, pulse slow, suffusion of the adnata, and the eye which was in the first stage mortially sensible, now loades its lustre and expression

marked melsion Lersal mach death than 7 of the aske o Lunti The 1 action ertin tones . child The third stage is known by the in created activity action, Stocked must, man, morning breaking the pene and consultance, dynphend which are universally regarded by the discovering practitioners at the hast ingust of death.

hothing however can be very also than the payeng and deselopment of the foregoing symptoms. The head a che is very often not conflame one furthe effection has taken place, which is a very striking proof of the existence of the inflammatory action without much pain at the extense, the most alarming symptoms with such and dealy remit, and the tond will such dead yremit, and the tond will she dead when there we emiched at the same line on emichedrage.

show a 1 me hydros most / of The i he c 1 blos the bra the Mr. drink writa neet 1. upon as one of the most unering criticions, but like the pulle, in

Some particular cases, it will be found very fallacious.

I shall now make a few obser vations on the symptomatic form of hy drocephalus. This is by far the most prequent in its appearance and is likewise the most manageable of the two kinds. It affears that there is in child hood a quater supply of blood to the dijestite organs, and the brain, than to any other parts of the body. These two organs are lia ble to numerous disangements, from the morbed Stimulation of food and drink outh one part, and mental unitation on the other, from the dineet sympathy existing between the

tion 02-96 disease the bro alimos tion or tions of cua, 6 that of ducea lives, 6 the con this one is pro- fo termo tanto in

two organs, one cannot continue long diseased without drawing the other into a similar State. This disease. then, almost always occurs from the brain mortidly sympathesing with a disorder dered State of the alimentary canal; in from a coujestion or an interruption of the fune tions of some of the ab dominal is cera, but more particularly with that of the lever; Carrie Sufference all cases of hydrocephalies were po duced by previous unitation of the luce; such ideas I think nother pap the confines of reason. In what way This mortid sympathetic influence is propagated, is not for me to deter mine in this place. That mitants in the prima has tring on this

most Sym 13 som 6 to an. be pro of the ne the Juoz, dulls

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distract in seed go no further for party than the fast of dame of the most alarm ong symptoms being see he can be purgated. In mariones,

dymptomater by drauphalusions on in a store in hidrout the ware of would appear that there is two while appear that there was felle or his time derangement taking places but in the court of a few days, some de dominal derangement will be exident. The disease at this time may be personated by a prompt memoral of the fernance of the f

the Symptons which character we this form of the disease, arelan grow, an unhealthy counter once a ultrep of the eye, shin hot and

der bowel and tone the stools now be Sou; The and the to the gen eilion of pochende hidros ged a membe linino Lidera ening of dry, bounds toopied appetite irregular

and tongue white. If the bound he ofer the stood here as in the other form, are white clayer or bilwed, the abdoncer mow be comed somewhat swoller and some the public a little a collection and the hend it likewish chauses into the general disorder. Do patiestry

and the nearly distribute therein we to the general disorder. Do featistay oblidars at this person there a fee evine of ed as an a guickness of apportant on much beyond their person their person.

brain of children who die of the phase of that are an engorged that of the topped of the membran special over, made and come, and living the muticals, and come

siderable adhisions as well as this en ung of this structure will like with

k observ mon of al the effects Jutrich hain, or mater. he the effe matory a The part, & mature merload. tem, The ately pros es both loci, M. my others may be maper

be observed, But the most common of all mortid appear an erd is The effusion of water either in the visitricles, or between the lobes of the brain, or between The dura and pia mater. This is generally believed to be the effect of the increased inflammatory action of the blood vipels of The part, and appears to be an effort of mature, for the present relief of the nerloaded State of the Nascular Sys tem. This very effection though altin ately proved fatal in its consequeneis both by compression anderror loce; hature in this case, as in ma my others produced oremediable ing way by relieving hisself at an in proper place. I now come to treat of the mode

of sure. trest lab lut, we. in our act, not toms The that we the pin. very dif toms us always by the o is out the the first Mary as which , such as

of eure, when furth called to a patent habouring under by description last to describe he has too the other ham been particular in our stammer and engine sied, not only in regard to supplement that we may if possible diagnost that we may if possible diagnosts that we may if possible diagnosts that we may if possible diagnosts that we may difficult to effect, as the light tone which to the home calls sury difficult to effect, as the light town which I have station are not always will disched continued by the diagnostis in many calls is difficult.

The treatment to be adopted in the first stage of the disease I hard to any according to the Symptomic withing persons themselved. If they are such as were mentioned as charace pethic fo constipas lines, its Mentions the prope mmen disade, o propriety maicio four de

terising an incipient attack of the ide opathic form; no one conversant with the nature of the disease would hisitate a moment to recent to the use of the law est, which should be used fruly but with discrimination. After having afforded Some relief by this practice, our mest resource is from purgatises. Of These calonie I thisk claims our first attention, Its efficacy in overcoming constipation, its peculias power on the liver, its prompitnes in altering the secretions of the store ach, bowils 4- are the properties which particularly recommena its employment in This dis disease, Too much cannot be said of the propriety of purging here, as it is on the judicious exhibition of them, that much of our succeptible dependo, Calonel

unbered with minutes ed. 4 will be for But if whithe jug. By thould be sechlider able with this on \* puhaps le huspole, un They detra and are not. ing symptom suffing is of were when Mometimes & Jet. Mon Sx

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combined with gamboye or falap, and administered in such doles at to brown copions to acceptions, daily repeated, will be found very ben fice al.

But if cerebral irritation be usgent, the jugular vein or temporal ar tery should be opened and blood let to a considerable extent. In conjunction with this mode of treatment, the head should be shared and cups applied; or perhaps leeshes would serve a better purpose, under thete cir curettatrees, as they detract blood with more cake and are not attended with the distrep ing symptoms which the operation of cupping is found to produce, This couste when vigorously persisted in will sometimes be production of very salutary effects. nor should the practitions let

Whoree, 12 tabilit 1 mpanie W pourol sat of eth and water As ye to use of Vication

the advantage thus gained be meglested as the bowels, as well as the part on which the disease spends its force, require the utmost degree of attention. If however some circum stances continue which would lead to a belief in the continuance of the disturbance of the encephalow, accompanied with a diminution of artorial action, it would be advisable to discontinue the use of the landet, and resort to cold applications such as powdered see or clothes wring out of other and water or vinegar and water.

As yet I have said nothing of, the use of blisters, the well timed ap plication of which constitute very important remedies in the manage Put as to o tu disea stain Stage Med to m of arrith ment of hydrocephalus they thould be applied to the mape of the neck in the forehead of the neck in the forehead to do not the head to do not get to which about the fall tary effect is due, the blister thould be despect with mercurial aintmet in it there affects a disposition in the past to head the blittle might be reafficied.

A good deal had been Said of the hower of digitals in that diene But as to its influence in that on any other disease sequence of fillian I are textain strong dowth, Mos am I aw possed to hadre its remediate penless very highly after effection from taken place. That it peoples the pener of anothing the circulation because of anothing the circulation because a portina estive tha instly imp Afflication il it is no to offor va any or. Hall by M. a I mak habove as waven f. There off. Id relian helden into Lysten

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will pretend to deny, but I strene ous ly contince that this property is not suf ficiently important as to recommed its application in this disease, I must confile it is not with a little difficures that I oppose the spinous of men of en perience in regard to the operation of this or any other medicine, but being emboldined by the liberal principles let fall by more than one of the gentle men into whose hands this epay is to fall; I make no hisitation in giving the above as my candia belief, which is drawn from some experience in its when

When effection takes place our the shall relian a is to be placed on the fudder introduction of mercuay into the System. This action should be in dear

pure by the Igapatho with he w tuch an Luacu siturious to atiquan duced by the prompt exhibition of caloniel in large distribution for the will mercurial factions ampleyed to a be by considerable extent the continuation was such such such such as the manufact of the bay or than it is maintained should be they or than it is maintainly made

If it should come in with the train of synthems meatines as in according a synthems as the personal is the habe, of the in the hale, of the in much actional to without the latest much actional to without the latest to such as calent as in the lot opation to such as calent as in the ideal and the latest are the care as the continues to disast or the ideal are the latest or time as a calent as the state are the latest or time as to disast as in regard to the continues to disast as in regard to the continues to disast as in regard to the continues as a the person to disast as in regard to the

After of to hear whedge of Vesto in tty take we of the ou that Juriter. I the de assey eg mitalia Scal Aufo for let us Which is m When in whe the promto he

After effection has taken place all write in pronouncing the cake a disper ate one, an opinion drawn from a knowledge of the martinity of the at lookents in the part where the effection mostly takes place. From the presa lines of the fore going opinion dan aware that much mischeif at times had arisen. In order ther to guara againstit, it should be born in mind that the Symptoms of actual effection are very equinocal, and may be close ly imitation by a turgescence of the evrebeal Apels: From this cir cum stance then let us learn a practical precept. which is not to discontinue the remedes proper in effusion until Symptoms make their appearance which we know to be the present ord of death;

ik under tiel prede ut i ne a it the fore group opinion day tuna gre Ich in This - a very of re of so whitenp i heporting feet this 14 tonie my dietes with and

If however the child does not sink under the riolence of the diseas, and symptoms manifest themselves

which predict a more fatousable term in ation, much care on our part is necepacy; as in- no disease is there a greater liability to a relapte That in This. The child is mostly left in a very debitetated on the public dence of so formidable a disease. Que busing then is to use every means of Supporting the Strength of the child. To effect this we must redort to the

whe of tonies and a mild and home whing dieten conjunction with gentle

therein and charge of airs:

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